

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE		PAGE OF   PAGES	
			1		7	
2. AMENDMENT/MODIFICATION NO. 0004		3. EFFECTIVE DATE 31-Jul-2003		4. REQUISITION/PURCHASE REQ. NO. W25PHS-3149-0210		
5. PROJECT NO.(If applicable)						
6. ISSUED BY US ARMY ENGINEER DISTRICT, PHILADELPHIA CONTRACTING DIVISION WANAMAKER BUILDING 100 PENN SQUARE EAST PHILADELPHIA PA 19107-3390		CODE DACA61		7. ADMINISTERED BY (If other than item 6)  CODE		
		See Item 6				
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)				X 9A. AMENDMENT OF SOLICITATION NO. DACW61-03-R-0028		
				X 9B. DATED (SEE ITEM 11) 26-Jun-2003		
				10A. MOD. OF CONTRACT/ORDER NO.		
				10B. DATED (SEE ITEM 13)		
CODE		FACILITY CODE				
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS						
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input checked="" type="checkbox"/> is not extended.  Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning 1 copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted, or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.						
12. ACCOUNTING AND APPROPRIATION DATA (If required) DESIGN, CONSTRUCT, TEST, AND DELIVER A CRANE BARGE						
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.						
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.						
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).						
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:						
D. OTHER (Specify type of modification and authority)						
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.						
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) The above numbered solicitation is amended as follows. THE DATE AND TIME SET FOR RECEIPT OF PROPOSALS REMAINS THE SAME.  Section C, Specifications: Index page i, and pages C-2, C-19, and C-44 are deleted in their entirety and substituted with the attached Index page i and pages C-2, C-19 and C-44, annotated Amendment 0004.  Section E, Inspection and Testing: Page E-4 is deleted in its entirety and substituted with the attached page numbered E-4 annotated Amendment 0004.  Section L: Instructions, conditions, and notices to offerors: Page L-12 is deleted in its entirety and substituted with the attached page L-12, annotated Amendment 0004.  All other information remains the same. Offerors should acknowledge this amendment by signing and returning a copy with their offer. Failure to acknowledge an amendment may require rejection of an offer. Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.						
15A. NAME AND TITLE OF SIGNER (Type or print)			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
			TEL: EMAIL:			
15B. CONTRACTOR/OFFEROR  _____ (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA  BY _____ (Signature of Contracting Officer)		
				16C. DATE SIGNED  31-Jul-2003		

**PART I – THE SCHEDULE – SECTION C****DESCRIPTION/SPECIFICATION/WORK STATEMENT****TABLE OF CONTENTS**

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- Spuds 4@45-feet LOA; powered; heavy wall steel construction with angle corner reinforcement and internal diaphragm plates; top entry type; single lower hoisting sheave.
- Spud Marking Indicating depth of spud below the bottom shell of barge; tick marks every foot between draft mark type Arabic numerals every 5-feet; Spud LOA marked.
- Spud Wells 4-top entry gated type with energy absorbing fenders, lifting collars and grab rail outboard passage.
- Diesel Generators two (2) identical 170-kw (minimum size)
- Crane Crawler Path ~135-feet long; 22-feet tread gauge, local deck reinforcement; oak timber matted for added friction with steel side curbing.
- Crane Bow Ramps 2@~30-feet long. portable; crawl on/off type, timber decked, curbed, recessed half-pipe saddle connection, lockable, limited rotation freedom about transverse axis.
- Winches 4-electric barge winches; 4-electro-hydraulic spud winches.
- Hoists 5-ton capacity traveling overhead hoist in Machine Shop; 2-ton capacity jib hoist on deck; 2-ton capacity mono-rail trolley hoist in Storage Room # 2
- Deckhouse Housing machine/fabrication shop, generator room, ~~office~~, head, locker room, deck locker and day room with 6-8-person crew. |
- Fuel Oil Storage Tank ~25,000-gal independent tank in hull.
- Potable Water Tank 5,000-gal independent tank in hull.
- Ballast system 8-tank, dual manifold, butterfly valved system with transferring capability between tanks via 800-GPM pump.
- Hull Compartments Includes below deck machinery room, pump room, storage rooms and 3-ballast tanks at each end of the barge and a pair in the wings amidships.
- Crawler Crane (by others) Similar to 300-ton Manitowoc 2250 Series 3 crawler with 140-feet boom and 150-ton load block. Not part of this Contract.

## B. NOISE CRITERIA

The following noise levels shall not be exceeded within a given space:

- |    |                   |                      |
|----|-------------------|----------------------|
| 1. | Hull Level        |                      |
| a. | Stores            | 80 dB (A)            |
| b. | Lower Engine Room | 110 dB (A)           |
| 2. | Main Deck Level   |                      |
| a. | Exterior Deck     | 80 dB (A)            |
| 3. | Deckhouse         |                      |
| a. | <del>Office</del> | <del>65 dB (A)</del> |
| b. | Day Room          | 65 dB (A)            |

## C. NOISE AND VIBRATION CONTROL

Some control measures that shall be considered by the Contractor in meeting the criteria are as follows:

- Effective noise barrier around high noise spaces to prevent noise transmission to adjacent spaces, and sound absorbing material around high noise spaces, to reduce contribution of reverberant noise within the space.
- Installing vibration isolators for the diesel generators and all rotating machinery such as pumps and fans in order to reduce noise and vibration transmission through the structure.
- Flexible mounting of ventilation and other service lines.
- Ensuring that all pipe and duct joints are tight and that all penetrations through spaces are sealed.
- Use of low noise components.
- Tighter tolerances.
- Ensure that the impedance of the foundation supporting the resilient mount is 10 times the impedance of the resilient mount.
- Ensure that the forcing frequencies are not within +/- 25% of the foundation natural frequencies.
- Ensure that the resilient mount/vibration isolator natural frequencies are not greater than 50% of the forcing frequencies.

All diesel exhaust lines and exhaust silencers shall be mounted using vibration isolators.

The clothes washer/dryer area shall be enclosed in a 6" high watertight sill. A floor drain connected to the grey water system shall serve the area.

b. Day Room

The Day Room shall have a floor with an overlay similar to 1/8-inch Dex-O-Tex Magnabond, 1.25-inch thick Insulite insulation, and shall be covered with 1/8-inch thick rubber tiles similar to FLEXCO .raised circular design, color # RGT-735 Sea Fog,

c. Wet Spaces

The head and the locker room are considered wet spaces.

No floor covering shall be provided in these spaces. The decks in these areas shall be painted.

B. CEILING

1. Day Room ~~and Office~~

A suspended, vinyl faced, gypsum sheet rock ceiling, 1/2 inch thick, shall be installed for the overhead of the Day Room ~~and Office~~. The ceiling furnished shall be a drop-in ceiling tile system using metal T tracks, 24 inch x 24 inch and 24 x 48 inch tile sizes, and perimeter support angles. The metal track system shall also accept and support the standard 2 x 4 foot two tube fluorescent light fixtures. The track system shall be hung from the framing system of the deck above.

**C435 JOINER WORK**

There shall be no wood behind joinery. If used, furring strips shall be metal.

**C436 INSULATION AND SHEATHING**

A. INSULATION

Insulation shall be provided for all companionways, exterior deckhouse bulkheads and deck heads, and for bulkhead and deck heads bordering the below deck machinery spaces and storage rooms (to 12 inches above the floor plates).

**B. TESTING**

When any workmanship, material, or apparatus fails to pass any test or inspection, it shall be fully retested only after all known faults have been eliminated. Where directed by the COR, such failed material or apparatus shall be completely removed from the work and renewed. The Contractor at no additional cost to the Government shall remedy any defects in workmanship or material, except where work was performed on material furnished by the Government.

**E04 FACILITIES FOR PERSONNEL****A. GENERAL**

While it is not intended that the Marine Design Center shall have a Resident Engineer's Office, the Contractor shall provide office space at the construction site for use by a Marine Design Center staff of three people.

The Contractor shall also provide the MDC inspector(s), for their personal use and reference at the Contractors yard, one copy of:

- Every drawing. This shall be the latest revision at the end of Phase I, and shall become the "As-Built" drawings prior to testing.
- The approved revision of the test procedures prior to testing.

**B. OFFICE, FURNISHINGS, AND EQUIPMENT**

**E6. Project Planning / Schedule**

The offeror shall submit with the Proposal, a Pbf Action and Project Schedule, including duration in calendar days or performance during:

- x Phase I - Engineering and Scheduling
- x Phase II - Construction, Testing and Delivery

The planning and scheduling information, shall demonstrate a logical, orderly and workable approach to the Project and the Contract.

Phase durations, as identified in the accepted Proposal, shall be inserted into the Contract Phase Sequencing included in Section Clause H01. Offered durations must be submitted in calendar day format, and shall not exceed those indicated in page H-54.

The Government will give Notice to Proceed with Phase II, within 30 days of completion of Phase I – Engineering & Scheduling.

After Contract Award, the Contractor is required to perform according to their proposed Project Schedule. Actual performance after Contract Award shall be compared against the proposed schedule, and shall be reported monthly to COR with the Progress Payment request for approval.

Offerors proposing a total project duration that is shorter than the baseline project duration shown on page H-54 will NOT be rated better for this criteria than offerors not proposing a reduced schedule duration. Offerors should refer to the Contract Phase Sequencing graphic for important information regarding Government review durations and required resubmittal durations that must be included in the total project duration proposed by the offeror.

**E7. Financial Condition**

Describe why the Government should be confident that this project will be successfully completed from a financial standpoint. Report on the offeror's financial resources and cash flow.

**F. PRODUCT EVALUATION CRITERIA**

The criteria for Product Evaluation of the Proposals is based on the assessment of the offered deliverables, equipment and features to provide quality, safety, performance and reliability in the proposed vessels.